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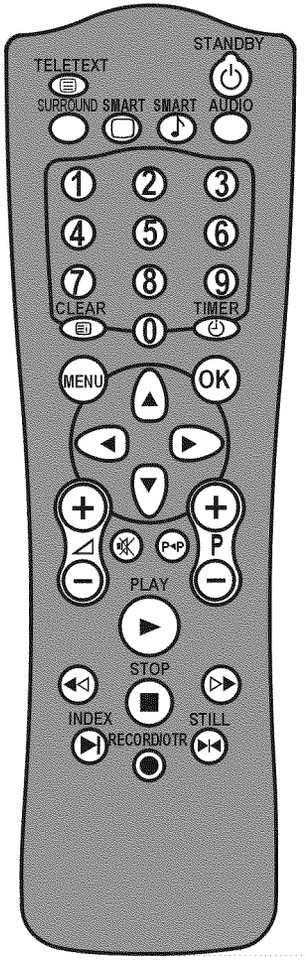
OPERATING INSTRUCTIONS IN BRIEF

The remote control



TELETEXT **TELETEXT**: To switch TELETEXT on/off

STANDBY **Switch off** : To switch off set, interrupt menu function, interrupt a programmed recording (TIMER)

SURROUND **No function**

SMART (green) **SMART PICTURE**: To show the preset picture settings

SMART (yellow) **SMART SOUND**: To show the preset sound settings

AUDIO **No function**

0-9 **Number buttons**: 0 - 9

CLEAR **Delete** : To delete last entry or clear programmed recording (TIMER)

CLEAR **TELETEXT**: To show hidden information

TIMER **TIMER**: To make a manual TIMER programming or to alter or clear a programmed TIMER

MENU **Menu** : To call up or end main menu

OK **Store/Confirm**: To store or confirm entry

◄ **Select**: Cursor left

► **Select**: Cursor right

▲ **Select**: One line up

▼ **Select**: One line down

+ ◿ − **Volume**: To regulate the volume

Volume off: To switch the volume on or off

P◂P **Previous programme number**: To select the previous programme number

+ P − **Programme number**: To select a programme number up or down

PLAY ► **Playback** : To play a recorded cassette

◁◀ **Rewind** : During STOP and STANDBY: rewind, during PLAYBACK: reverse scanning

STOP ■ **Pause/Stop**: To stop the tape, except while a TIMER-recording is being made

▶▷ **Forward wind**: During STOP and STANDBY: forward wind, during PLAYBACK: forward scanning

INDEX ▶| **Index search**: In combination with ◁◀ / ▶▷ : to search for previous/next recording on the cassette

RECORD/OTR ● **Record**: To record the programme selected

STILL ▶|◀ **Still picture**: To stop the tape and show a still picture

Coloured TELETEXT-buttons: To select TELETEXT pages directly

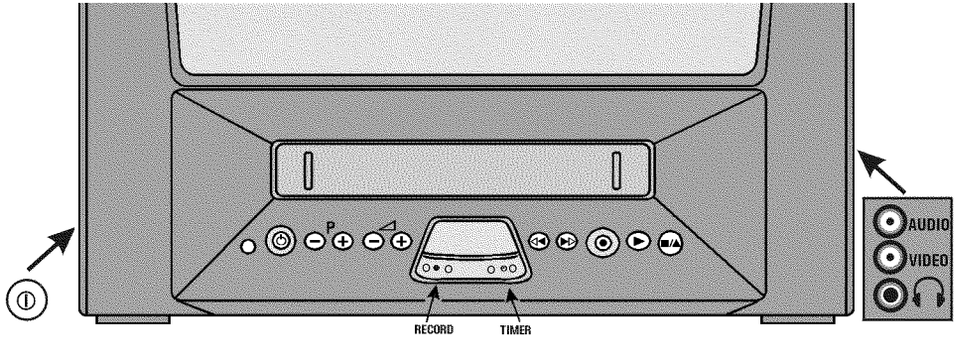
(red) Select page/chapter shown in red at the bottom of the screen

(green) Select page/chapter shown in green at the bottom of the screen

(yellow) Select page/chapter shown in yellow at the bottom of the screen

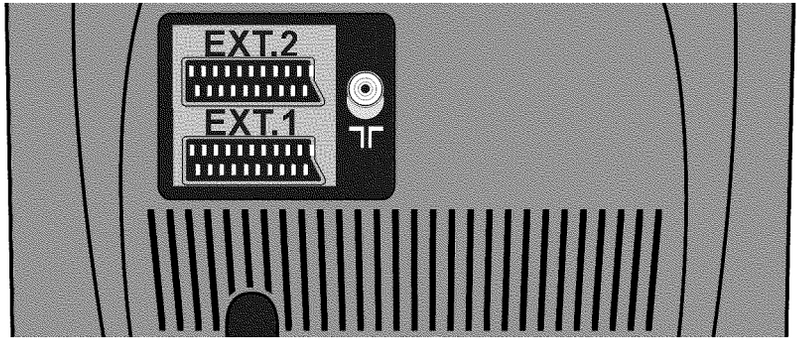
(blue) Select page/chapter shown in blue at the bottom of the screen

Front of the set



- **Power switch** : To switch off the set
  Beware: When you switch the set off with the power switch, TIMER-recordings are not possible!
- **Standby** : To switch off, interrupt a function, interrupt a programmed recording (TIMER)
- P − / + **Programme number** : To select programme number up or down
- ◿ − / + **Volume**: To regulate the volume
- ◁◀ **Rewind** : During STOP and STANDBY: rewind, during PLAYBACK: reverse scanning
- ▶▷ **Forward wind**: During STOP and STANDBY: forward wind, during PLAYBACK: forward scanning
- ◉ **Record**: To record the programme selected
- ▶ **Playback** : To play a recorded cassette
- ■/▲ **Pause/Stop, eject cassette**: To stop the tape and during STOP eject the cassette
- AUDIO **Audio input socket left/right stereo**
- VIDEO **Video input socket** : To connect a camcorder or videogames
- 🎧 **Headphones socket**: To connect headphones

Back of the set



- EXT.2 **Scart socket**: To connect a satellite receiver, a video recorder, etc.
- EXT.1 **Scart socket**: To connect a decoder, a satellite receiver, etc.
- ⊓ **Aerial input socket**: To connect the aerial cable

OPERATING INSTRUCTIONS PHILIPS 21PV320/05

Congratulations! You now own one of the most sophisticated and simple-to-use TV-VIDEO Combinations on the market. With this TV-VIDEO Combi you can record and play VHS-standard cassettes.

Please take the time to read this operating manual before using your TV-VIDEO Combi.

Safety instructions and other notes

Danger: High voltage!
Do not remove the top cover as there is a risk of an electrical shock!

The TV-VIDEO Combi does not contain any components that can be repaired by the customer. To switch off the TV-VIDEO Combi completely you must switch it off with the power switch ⏻.

Make sure that air can circulate freely through the ventilation slots on the TV-VIDEO Combi.

Make sure that no objects or liquids enter the TV-VIDEO Combi. If liquid is spilt into it, disconnect the TV-VIDEO Combi immediately from the power supply and call the After-sales Service for advice.

The TV-VIDEO Combi should **not be used immediately after transportation** from a cold to a hot area or vice versa, or in conditions of extreme humidity.
After unpacking the TV-VIDEO Combi, it should be allowed to **acclimatize for at least three hours** before installation.

These operating instructions have been printed on nonpolluting paper.

Deposit old batteries at the relevant collection points.

Please make use of the facilities available in your country for disposing of the packaging of the TV-VIDEO Combi in a way that helps to protect the environment.

This electronic equipment contains many materials that can be recycled. Please inquire about the possibilities for recycling your old set.

VIDEOPlus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VIDEOPlus+ system is manufactured under licence from Gemstar Development Corporation.

So that you can identify your machine in the event of theft, enter the serial number (PROD.NO) here. The serial number is printed on the type plate fixed at the rear of the set.

MODEL NO.	**21PV320/05**
PROD.NO:	

This product complies with the requirements of the Directive 73/23/EEC + 89/336/EEC + 93/68/EEC.

Technical information

Measurements in cm (W / H / D): 51.0 / 50.5 / 48.2
Power consumption (Standby) : less than 65W (less than 4W)
Voltage : 198-264V 50Hz
Headphones : Output resistance less than 120 Ohms maximum output voltage more than 2.6V at 120 Ohms

Emergency interrupt

You can use the STANDBY ⏻ button on the TV-VIDEO Combi or the remote control to interrupt any function. If you want to interrupt a running Timer recording, hold the STANDBY ⏻ button for several seconds.
So if you are having operating problems, you can just interrupt the function and start again.
And you can practise operating your set without any worries. No matter which buttons you press, you cannot damage it.

Important

If you want to use a TV stand for this TV-VIDEO Combi, please use the one with the order number 3111 257 71281 only.

Special functions on your TV-VIDEO Combi

SmartClock

If a TV channel which transmits TXT/PDC is stored under programme number '**P01**', time and date will automatically be taken from the TXT/PDC information.

Digital Studio Picture Control

Philips has developed a system which produces the best possible playback quality. It reduces disturbance on old, worn video cassettes, and emphasises the detail on very good quality cassettes.

Smart Picture

This function allows you to save the playback settings that suit you best. Select your own personal settings for the type of film you are currently watching.

Smart Sound

This function allows you to save the sound settings that suit you best. Select your own personal settings for the type of film you are currently watching.

Plug & Play

When you have plugged your TV-VIDEO Combi into the mains, you will be welcomed with an OSD picture. All you have to do is follow the instructions in the "intelligent help line" for the next step. Enjoy the Automatic TV channel search/save function and the automatic time adjustment.

AVL

Automatic Volume Leveller. This prevents a sudden increase of the volume, for example, during commercials.

2000

We guarantee that your TV-VIDEO Combi will switch to the new millennium with no problems whatsoever.

VIDEO Plus+

Simple programming system for TV-VIDEO Combis. Makes programming as easy as making a telephone call. Simply enter the programme code which you will find in your listings magazine.

TURBO DRIVE

The precision tape drive from Philips with rewind times of 100 seconds (E180) and automatic tape length recognition.

1. CONNECTING YOUR TV-VIDEO COMBI

Important for the United Kingdom

This machine is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug, please follow these instructions.

1 Take off the fuse cover and take out the fuse.

2 Put in a new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.

3 Refit the fuse cover.

If the plug fitted is not suitable for your socket, cut it off and fit another type.
If the plug you fit contains a fuse, it should be a 5Amp fuse. If you fit a plug which does not need a fuse, make sure the fuse on your fuse box is not greater than 5 Amps.

Note: Please destroy the plug you have cut off so that it cannot be used in a 13 Amp socket somewhere else.

How to connect a plug
The wires in the lead from the video recorder are coloured as follows.
* Blue - 'neutral' ('N').
* Brown - 'live' ('L').

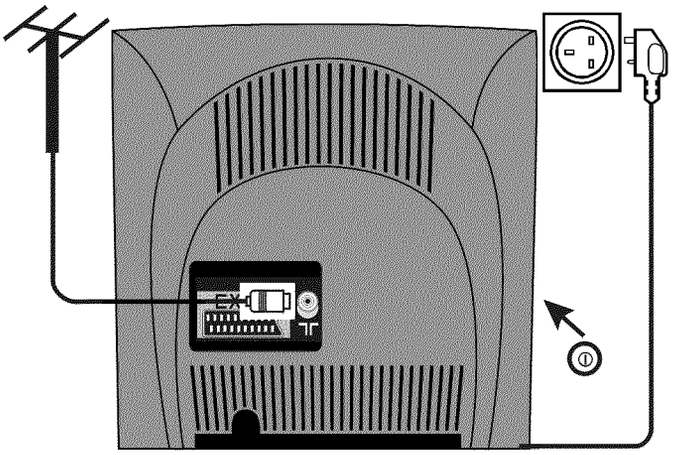
4 Connect the blue wire to the terminal in the plug which is marked with the letter 'N' or coloured black.

5 Connect the brown wire to the terminal in the plug which is marked with the letter 'L' or coloured red.

6 Do not connect either of the wires to the terminal in the plug which is marked with the letter 'E', the symbol ⏚ or coloured green or green and yellow.

Before you refit the plug cover, make sure that the grip at the bottom of the plug is clamped over the plastic cover of the lead, not just over the two wires.

Connecting the cables



1 Insert the aerial plug into the socket.

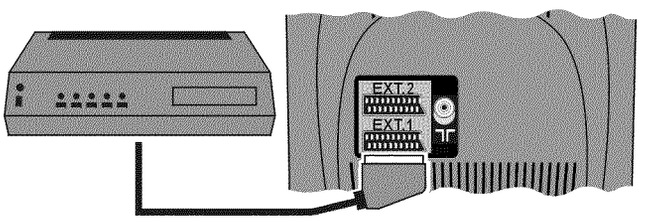
2 Insert the plug of the mains cable into the wall socket.

3 If the little red light at the front of the set is not alight, please switch on the set. The power switch is located on the left side panel of the set.

Connecting a decoder or other equipment

You can also connect additional equipment, for instance, a decoder, a satellite receiver or camcorder to the EXT.1 socket or a satellite receiver, camcorder to the EXT.2 socket.

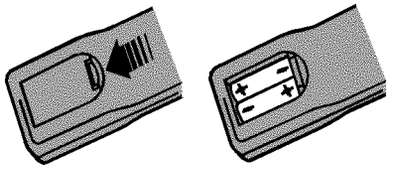
☐ If you don't connect a decoder, use the EXT.1 socket for connecting other equipment.



2. INSTALLING YOUR TV-VIDEO COMBI

Initial installation

1 Open up the battery compartment of your remote control and place the batteries in it as shown in the picture.



2 Close the battery compartment.

3 If you have connected the aerial to the TV-VIDEO Combi, press the OK button.
'Automatic TV channel search' starts. This picture will appear on the screen:

Wait until all TV channels have been found. This can take several minutes.

If you have connected a decoder, you must install it as described in the next section.

If you have connected a satellite receiver, please read the section 'satellite receiver'.

Allocating a decoder

Some TV stations will send coded TV channels, that you can only watch when you use a decoder. You can connect such a decoder (descrambler) to your TV-VIDEO Combi. With the following function, the connected decoder will automatically be activated for the TV programme you want to watch.

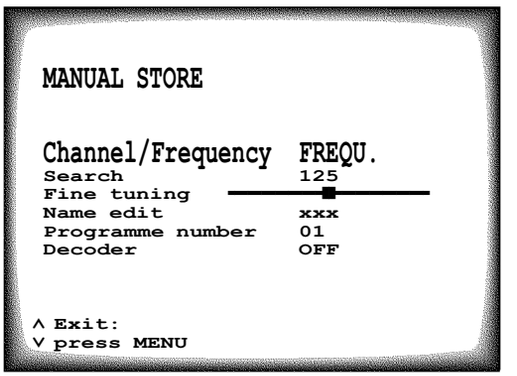
1 Choose the TV channel on which you wish to use the decoder with the +P− button on the TV-VIDEO Combi or the number buttons 0-9 on the remote control.

2 Press the MENU button on the remote control. The main menu will appear.

3 Select the line '**Installation**' with the ▼ or ▲ buton and confirm with the ▶ button.

4 Select the line '**Manual store**' with the ▼ or ▲ button and confirm with the ▶ button.

5 Select the line '**Decoder**' with the ▼ or ▲ button.



6 Select function '**ON**' with the ◀ or ▶ button. When you select '**OFF**', the function will be switched off.

7 Confirm with the OK button.

8 To end, press the MENU button.
Your decoder has now been allocated to this TV channel.

9 Press the MENU button.

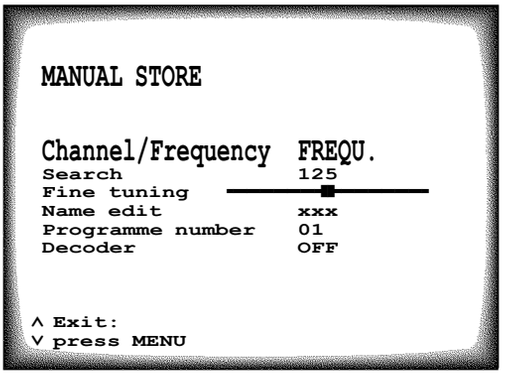
Manual TV channel search

In certain cases the 'Automatic TV channel search' may not be able to find all of the TV channels (e.g. coded TV channels). In that case, use this manual method to set the channels.

1 Press the MENU button on the remote control. The main menu will appear.

2 Select the line '**Installation**' with the ▼ or ▲ button and confirm with the ▶ button.

3 Select the line '**Manual store**' with the ▼ or ▲ button and confirm with the ▶ button.



4 In the line '**Channel/Frequency**', select the display for:
'**FREQU.**': frequency
'**C CH**': channel
'**S CH**': special channel

5 If you know the frequency or channel of the desired TV channel, you can enter the data in line '**Search**' with the digit buttons 0-9.

i If you don't know the frequency or channel of the TV channel of your choice, press the ▶ button to start the channel search.

6 In the line '**Programme number**' select the programme number you want e.g.: '**01**', using the ◀ or ▶ button.

7 If you want to change the TV channel name, press the ▶ button in line '**Name edit**'.

☐ Select the character you want to change with the ◀ or the ▶ button. Change the character with the ▼ or the ▲ button. Select the next character in the same way.

☐ To confirm the information, press the OK button.

8 If you want to change the automatic tv channel setting, select the line '**Fine tuning**'.
With the ◀ or ▶ button you can vary the automatic tv channel setting. **Important:** This re-tuning is only necessary and useful in **special cases**, e.g.: when there are stripes on the picture with cable-TV systems.

9 Press the OK button to store the TV channel.

i If you want to search for further TV channels, start again at step 5.

10 To end, press the MENU button.

Satellite receiver

You can receive channels from the satellite receiver via the scart socket EXT.1.
To do this, select the channel number '**E1**' with the +P− button. You will have to select the channels to be received by the satellite receiver on the receiver itself.

Special installation functions

You can select one of the following installation functions in order to adapt your TV-VIDEO Combi to your own specific requirements.

Automatic TV channel search

Your TV-VIDEO Combi will search for all TV channels.
If you want to start the automatic TV channel search again, then follow the instructions below.

1 Press the MENU button on the remote control. The main menu will appear.

2 Select the line '**Installation**' with the ▼ or ▲ button and confirm with the ▶ button.

3 Select the line '**Autoinstall**' with the ▼ or ▲ button.

4 Press the ▶ button. The 'Automatic TV channel search' starts.

5 When the TV channel search is complete, '**Installation comp.**' will appear on the screen.

How to search for a TV channel manually, you can read in the section 'Manual TV channel search'.

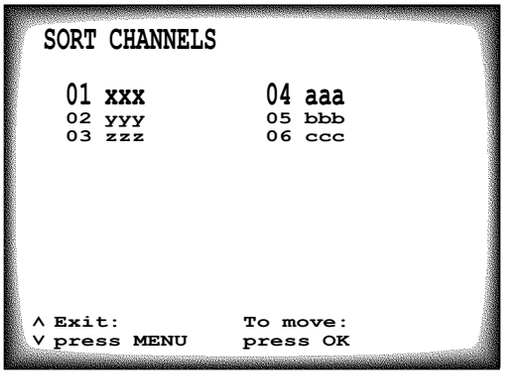
Automatic Channel Installation:
Some cable companies or broadcasters offer the possibility to install TV channels automatically with 'ACI'. Information about the installation offered and how to select it, will appear on the screen.
This set will recognize and install TV channels with 'ACI' automatically.
TV channels will be stored from programme number 1 onward.
If 'ACI' cannot identify a TV channel, you can search for it using the method as described in the section 'Manual TV Channel Search'.

Allocating a channel number

1 Press the MENU button. The main menu will appear.

2 Select the line '**Installation**' with the ▼ or ▲ button and confirm with the ▶ button.

3 Select the line '**Sort channels**' with the ▼ or ▲ button and confirm with the ▶ button.



4 With the ▼, ▲, ◀ or ▶ button, select the TV channel to which you want to allocate a programme number and press the OK button.

5 With the ▼, ▲, ◀ or ▶ button, shift the TV channel to the programme number you wish to allocate to this TV channel and press the OK button.

6 Repeat steps 4 to 5 until you have allocated a programme number to all the required TV channels.

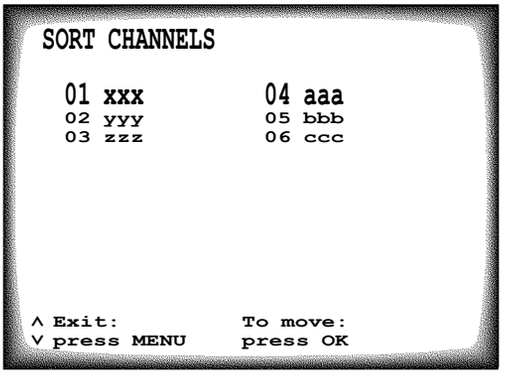
7 To end, press the MENU button.

Delete a TV Channel

1 Press the MENU button. The main menu appears.

2 Select the line '**Installation**' with the ▼ or ▲ button and confirm with the ▶ button .

3 Select the line '**Sort channels**' with the ▼ or ▲ button and confirm with the ▶ button.



4 With the ▼, ▲, ◀ or ▶ button, select the TV channel you want to delete and press the CLEAR button.

5 Repeat step 4, until you have deleted all the required TV channels.

6 To end, press the MENU button.

Setting the language

You can select the language for the on-screen display (OSD).

1 Press the MENU button on the remote control. The main menu will appear.

2 Select the line '**Installation**' with the ▼ or ▲ button and confirm with the ▶ button.

3 Select the line '**Language**' with the ▼ or ▲ button.

4 Select your language with the ◀ or ▶ button.

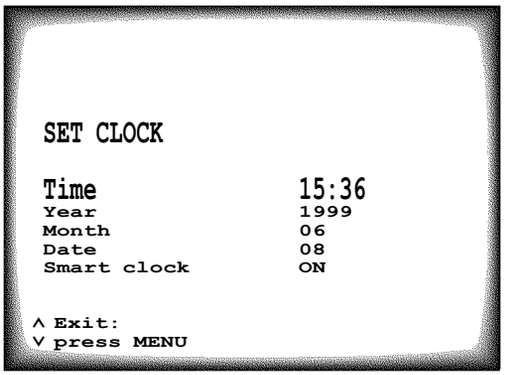
5 To end, press the MENU button.

Setting the time and date

1 Press the MENU button on the remote control. The main menu will appear.

2 Select the line '**Installation**' with the ▼ or ▲ button and confirm with the ▶ button.

3 Select the line '**Set clock**' with the ▼ or ▲ button and confirm with the ▶ button.



4 Check the time in line '**Time**'. If required, please change the time with the 0-9 buttons on the remote control.

5 Check '**Year**', '**Month**' and '**Date**' in the same way. You can switch between entry fields with ▼ or ▲ button. Confirm each entry with the OK button.

6 To end, press the MENU button.

Automatic time and date setting (SMART CLOCK)

i If a television programme, which transmits TELETEXT, is stored with programme number '**P01**', time and date will be set automatically.

i Time will automatically be adjusted to winter time and summer time.

1 Press the MENU button on the remote control. The main menu will appear.

2 Select the line '**Installation**' with the ▼ or ▲ button and confirm with the ▶ button.

3 Select the line '**Set clock**' with the ▼ or ▲ button and confirm with the ▶ button.

4 Select the line '**Smart clock**' with the ▼ or ▲ button.

5 Switch the function on with the ◀ or ▶ button.

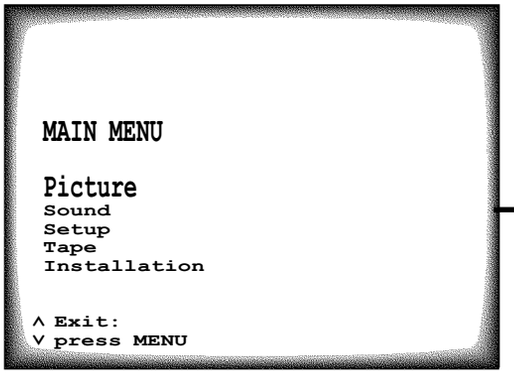
6 Confirm with the OK button.

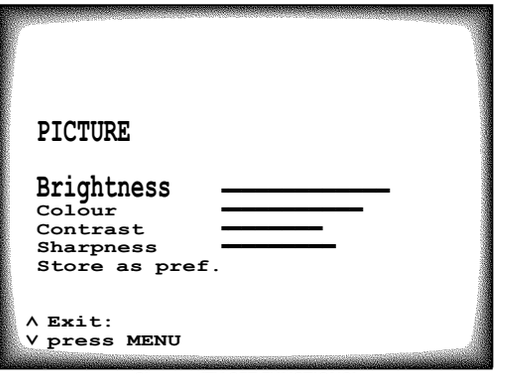
7 To end, press the MENU button.

3. IMPORTANT NOTES FOR OPERATION

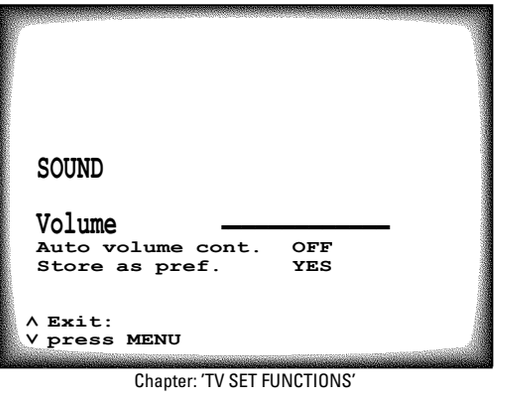
SUMMARY OF USER GUIDE

The OSD menu offers the following functions. More details on each can be found in the appropriate chapter.

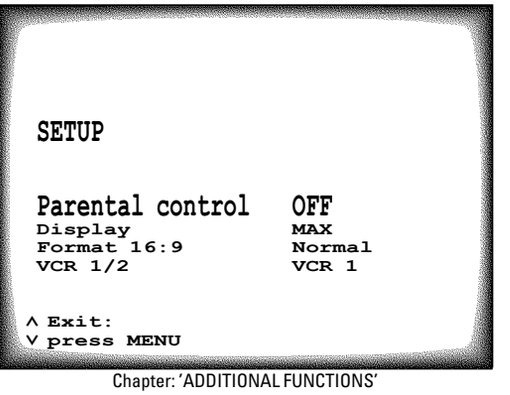




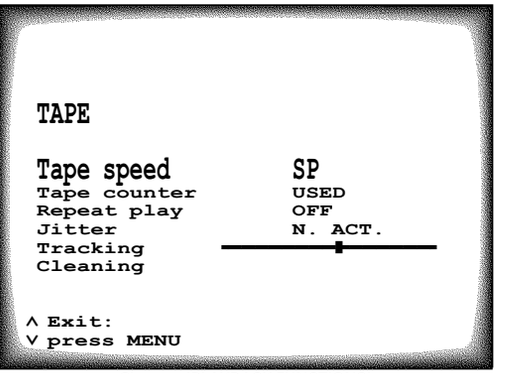
Chapter: 'TV SET FUNCTIONS'



Chapter: 'TV SET FUNCTIONS'



Chapter: 'ADDITIONAL FUNCTIONS'

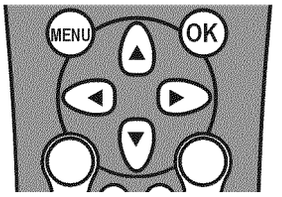


Chapter: 'PLAYBACK FUNCTIONS'

User guide (OSD)

The OSD (On-screen display) shows the various functions in the form of a menu on the television screen. You can then choose the settings you require. There is a summary of the menus on this page. The main button functions are displayed in a help line along the bottom of the screen.

- ☐ **To call up the menu:** With the [MENU] button.
- ☐ **To select a line:** With the [▼] or [▲] button.
- ☐ **To enter or change your selection:** With the [0-9], [▼] or [▲] button.
- ☐ **To cancel:** With the [MENU] button.
- ☐ **To save or confirm:** With the [OK] button.
- ☐ **To close the menu:** With the [MENU] button.



- ☐ **To confirm the messages in red on the screen:** Press the [OK] button.
- ☐ You can switch the machine on with the [+P−], [▼], [▲], [P◂P] or [0-9] button or by putting in a cassette.

4. TV SET FUNCTIONS

Selecting a TV programme

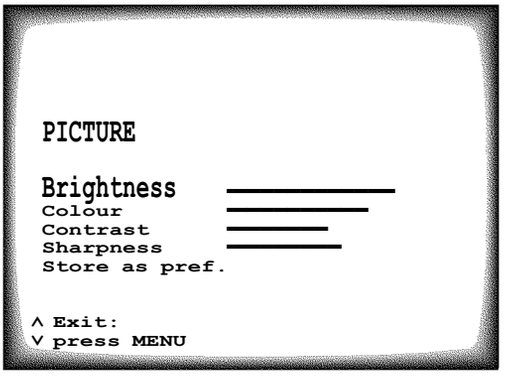
Select the required TV channel (=programme number) with the [+P−], [▼], [▲] button or with the digit buttons [0-9] on the remote control.

If you don't know the programme number of the required TV channel:

1. Press the [+P−] button for more than 2 seconds. The TV channel list appears on the screen.
2. Select the required TV channel with the [+P−] button.
   After 1 second the TV-VIDEO Combi will switch to the selected programme number.

Picture settings

1. Press the [MENU] button. The main menu appears.
2. Select the line '**Picture**' with the [▼] or [▲] button and confirm with the [▶] button.



3. Select the required line with the [▼] or [▲] button and alter with the [◀] or [▶] button.

   To store this setting as a standard setting, select '**YES**' in line '**Store as pref.**' and confirm with the [OK] button.

Selecting the picture setting (SMART PICTURE)

'SMART PICTURE': Optimises all picture settings using a single button on the remote control.

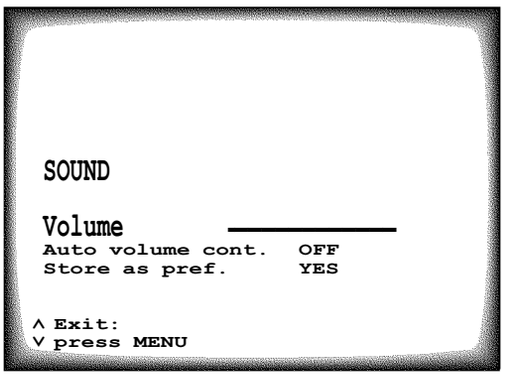
- Press the [SMART (green)] button repeatedly to select the required picture setting.

Volume control

You can control the volume level with the [+◿−], [◀] or [▶] button.
If you want to mute the sound temporarily (e.g.: during a telephone call), press the [🔇] button on the remote control. When you press the [🔇] button again, the sound will return at its original volume level.

Sound settings

1. Press the [MENU] button. The main menu appears.
2. Select the line '**Sound**' with the [▼] or [▲] button and confirm with the [▶] button.



3. Select the required line with the [▼] or [▲] button and alter with the [◀] or [▶] button.

   To store this setting as a standard setting, select '**YES**' in line '**Store as pref.**' and confirm with the [OK] button.

   To call up the standard settings, switch the TV-VIDEO Combi off and on again.

Automatic volume control (AVL)

- Switch on '**Auto volume cont.**', to activate the automatic volume control. It minimises sudden changes in TV volume when commercial spots are transmitted.

Selecting the sound setting (SMART SOUND)

'SMART SOUND': Provides a choice of sound settings from the remote control.

- Press the [SMART ♪ (yellow)] button repeatedly to select the required sound setting.

5. PLAYBACK FUNCTIONS

Playing a cassette

1 Put a cassette into the cassette slot.

2 Press the PLAY► button.

3 If you press the STOP■ button once, the TV-VIDEO Combi will switch to pause. To stop, press the STOP■ button again.

4 To eject the cassette, press the ■/▲ button on the TV-VIDEO Combi or press the STOP■ button on the remote control several seconds.

i Some hired cassettes may have a poor picture or poor sound quality. This is not a fault in your machine. Please read `Picture interference´.

i Some functions switch off automatically after a while (for example, pause, still picture, picture search). This helps to protect the cassette and avoids wasting power.

Playing NTSC cassettes

With this set you can play cassettes that have been recorded on another video recorder in the NTSC standard (for example, American cassettes).

i Some special features (for example, still picture) are not possible while you are playing an NTSC cassette.

Tape position indication

i Press the OK button to display the current tape position.

i To change the type of tape position display, proceed as follows:

1 During playback, press the MENU button.

2 Select the line '**Tape**' with the ▼ or ▲ button and confirm with the ► button.

3 Select the line '**Tape counter**' with the ▼ or ▲ button.

4 With the ◄ or ► button select '**USED**' to check the time used, or '**LEFT**' to check the time left on the tape.

5 Confirm with the OK button.

Searching for tape position with the picture (picture search)

1 While a cassette is playing, press the ◁◀ (reverse) or ▶▷ (forward) button once or several times.

2 To stop at a certain picture, press the PLAY► button.

i During picture search, the picture quality may not be so good and there will be no sound.

Still picture

1 Press the STILL▶◀ button. A still picture will appear on the screen.

2 Each time you press STILL▶◀ again, the picture will move on one step.

Searching for tape position without the picture (wind and rewind)

1 Stop the tape with the STOP■ button.

2 Press the ◁◀ (reverse) or ▶▷ (forward) button.

3 To stop at a certain picture, press the STOP■ button.

Instant View

With this function you can switch to picture search during wind and rewind.

1 If you hold the ◁◀ (rewind) or ▶▷ (wind) button during wind or rewind, you will switch to picture search.

2 When you release the button, the TV-VIDEO Combi will automatically switch back to rewind or wind.

Automatic search for a tape position (index search)

At the start of each recording, the TV-VIDEO Combi will write an index code on the tape.

1 Press the INDEX▶| button. Press the ▶▷ button to select the next code mark or the ◁◀ button for the previous code mark.

2 When the TV-VIDEO Combi finds the code mark, it will automatically switch to play.

Picture interference

When the picture quality is poor when you play a cassette, please follow these instructions.

Tracking during playback

1. During playback, press the MENU button.
2. Select the line '**Tape**' with the ▼ or ▲ button and confirm with the ▶ button.
3. Select the line '**Tracking**' with the ▼ or ▲ button.
4. Hold the ◀ or ▶ button until the playback quality is at its best.
5. Confirm with the OK button.
6. To end, press the MENU button. This setting will remain until you remove the cassette.

Tracking during still picture

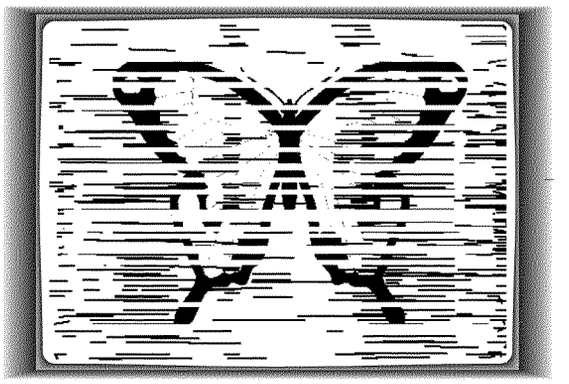
If the still picture vibrates vertically, you can improve the still picture as follows:

1. During still picture, press the MENU button.
2. Select the line '**Tape**' with the ▼ button or ▲ and confirm with the ▶ button.
3. Select the line '**Jitter**' with the ▼ or ▲ button.
4. Hold the ◀ or ▶ button until the picture quality is at its best.
5. Confirm with the OK button.
6. To end, press the MENU button.

   Please note, however, that interference may still occur with poor quality cassettes.

Cleaning the video heads

If horizontal lines appear on the screen when you play a cassette, you should clean the video heads.



1. During playback, press the MENU button.
2. Select the line '**Tape**' with the ▼ or ▲ button and confirm with the ▶ button.
3. Select the line '**Cleaning**' with the ▼ or ▲ button.
4. Press the OK button. '**CLEANING**' appears on the screen.
5. Wait a few seconds, until the message disappears and then press the MENU button.

6. MANUAL RECORDING

Use 'Manual Recording' to make a spontaneous recording (for example, a programme currently being shown).

- ☐ If you want to start and stop a recording manually, read the section: 'Recording without automatic switch-off'.
- ☐ If you want to start a recording manually but have it stopped automatically, read the section: 'Recording with automatic switch-off'.

Recording without automatic switch-off

1. Insert a cassette.
2. Use the [+P−] button to select the programme number you want to record, for example, 'P01'.
   - Programme number '**E1**' is provided for recording from external sources (via the [EXT.1] scart socket).
3. To start recording, press the [RECORD/OTR●] button on the remote control or [◉] on the TV-VIDEO Combi.
   When you are recording, the red recording light at the front of the TV-VIDEO Combi will be alight.
4. Stop recording with the [STOP■] button.
   - During a recording you can watch other TV channels.
   - To switch off the screen, press the [STANDBY⏻] button.

Recording with automatic switch-off (OTR one-touch-recording)

1. Put a cassette in the machine.
2. Use the [+P−] button to select the programme number you want to record.
3. Press the [RECORD/OTR●] button on the remote control. When you are recording, the red recording light at the front of the TV-VIDEO Combi will be alight.
4. Press the [RECORD/OTR●] button again and again until the display on the TV-VIDEO Combi shows the desired end time or length of the recording.
   - To cancel this information, press the [CLEAR] button.
5. Confirm with the [OK] button.
6. To end, press the [MENU] button.

Protecting your recordings

So that you don't accidentally delete an important recording, remove the special tab on the narrow side of the cassette with a screwdriver or slide the special tab to the left. Later, if you no longer want to protect your recording, you can seal the gap again with sticky tape or slide the special tab to the right.

Auto-assembling

You can use the auto-assembling function to join individual recordings without any major picture disturbance between them.

1. While the cassette is playing, search for the correct position on the tape.
2. Stop the cassette by pressing the STOP■ button. '**Pause**' will appear on the TV screen.
3. Now start recording as usual by pressing the RECORD/OTR● button on the remote control.

Selecting the recording speed (SP or LP)

You can reduce the recording speed by half. This makes it possible to record, for example, eight-hours instead of four-hours on an 'E240' (four-hour) cassette.

1. Press the MENU button. The main menu appears.
2. Select the line '**Tape**' with the ▼ or ▲ button, and confirm with the ▶ button.
3. Select the line '**Tape speed**' with the ▼ or ▲ button.
4. Select the required recording speed with the ◀ or ▶ button.

   i **'LP'**: **L**ong **P**lay = half recording speed (double recording time).
   'SP': **S**tandard **P**lay = normal recording speed.

   i The picture quality will be adversely affected when recording at half recording speed ('LP').

   i For playback, the correct recording speed will automatically be selected.
5. Confirm with the OK button.
6. To end, press the MENU button.

7. PROGRAMMED RECORDING (TIMER)

Use programmed recording to automatically start and stop a recording at a later date.

To make a programmed recording, your TV-VIDEO Combi needs to know:

* the date you want to make the recording;
* the programme number for the TV channel you want to record;
* the start and stop time of the recording;
* whether you want to use VPS or PDC;
* the recording speed (SP/LP).

The TV-VIDEO Combi stores all the information in a TIMER block. You can programme up to 6 TIMER blocks a month in advance.

'VPS' (Video Programming System) and 'PDC' (Programme Delivery Control)

With 'VPS and PDC', the TV station controls the start time and the length of the recording. This means that the TV-VIDEO Combi switches itself on and off at the **right time** even if a TV programme you want to record begins earlier or finishes later than expected.
Usually the start time is the **same** as the VPS or PDC time. But if your TV guide gives a VPS or PDC time which is different to the programme's start time (for example, 20.15 and VPS 20.14), you must enter '20.14' as the start time.
If you want to programme a time that is different from the VPS or PDC time, you must switch off VPS or PDC.

Programming a recording (with 'VIDEOplus')

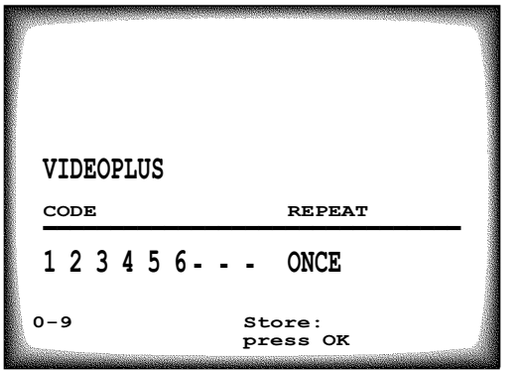
All the information required for a programming is contained in the PlusCode-programming number.

VIDEO Plus+

1 Press the TIMER button on the remote control.

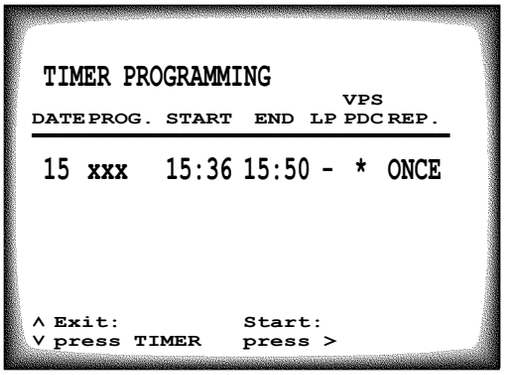
2 Select the line '**Videoplus**' with the buttons ▼ or ▲ and confirm with the ▶ button.

3 Enter the entire PlusCode-programming number (up to 9 digits) printed in your TV guide next to the start time of a TV programme.
For example, 5-234-89 or 5 234 89
Enter 523489 for the PlusCode-programming number.
If you make a mistake, you can clear your instructions with the CLEAR button.



4 In line '**REPEAT**' select daily or weekly programming with the ▼ or ▲ button.
'**Mo-Fr**': If you want to make a recording every day from Monday to Friday.
'**Mo-Su**': If you want to make a recording every day from Monday to Sunday.
'**WEEKLY**': If you want to make a recording every week on the same day of the week.
'**ONCE**': If you want to make only one recording.

5 Confirm with the OK button. Your programming details will then appear on the TV screen.



If VIDEOPlus+ does not recognise the TV channel, '**P??**' will appear on the TV screen. Instead of '**P??**', you can select the programme number you want with the number buttons 0-9.

If '**Code error**' appears on the TV screen, this means you entered an incorrect PlusCode number or the incorrect date. Correct your instructions or end with the TIMER button.

If '**Daily error**' appears on the TV screen, the date was incorrectly entered.

Under '**VPS/PDC**', use the ▼ or ▲ button to switch 'VPS or PDC' on or off.

Under '**LP**', use the ▼ or ▲ button to select the recording speed 'SP' or 'LP'.

The TIMER lamp on the front of the set will light up when one or more of the TIMER blocks are occupied.

When you are recording, the red recording light at the front of the TV-VIDEO Combi will be alight.

If the end of the cassette is reached during a recording, the TV-VIDEO Combi automatically ejects the cassette.

If you forget to load a cassette, '**No cassette**' will appear.

If you inserted a cassette with erase protection when you want to start a recording, the cassette will be ejected.

6 Press the OK button.

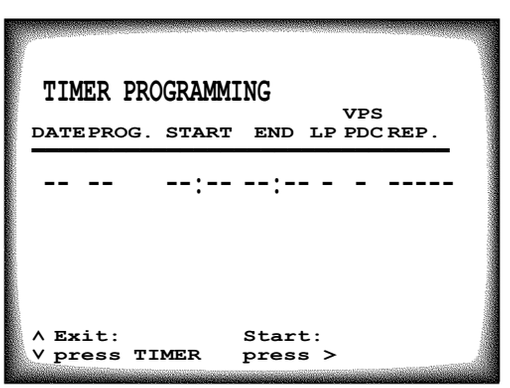
7 Confirm the message on the screen with the OK button. A TIMER recording can only start, if the set is not used for other video recorder functions (e.g. playback).

8 To end, press the TIMER button.

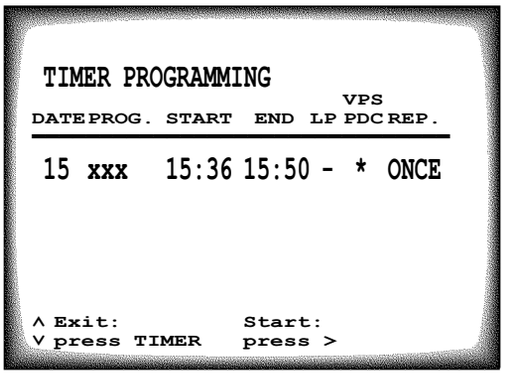
Programming a recording (without 'VIDEOPlus')

1 Press the TIMER button on the remote control.

2 Select the line '**Timer programming**' with the buttons ▼ or ▲ and confirm with the ▶ button.



3 Press the OK button.



4 Select the entry field with the ◀ or ▶ button.

5 Enter information with the buttons ▼ or ▲ or with the digit buttons 0-9.

Under '**REP.**', use the ▼ or ▲ button to select daily or weekly programming.
'**Mo-Fr**': If you want to make a recording every day from Monday to Friday.
'**Mo-Su**': If you want to make a recording every day from Monday to Sunday.
'**WEEKL**': If you want to make a recording every week on the same day of the week.
'**ONCE**': If you want to make only one recording.

If you want to make a TIMER-recordings from an external source, use the ▼ or ▲ button to select the setting `**Record prepared**` in the entry field `**PROG.**`. Your TV-VIDEO Combi will now be controlled via the scart cable.

Under '**LP**', use the ▼ or ▲ button to select the recording speed 'SP' or 'LP'.

Under '**VPS/PDC**', use the ▼ or ▲ button to switch 'VPS or PDC' on or off.

6 Confirm with the OK button when the information is correct.

7 Confirm the message on the screen with the OK button. A TIMER recording can only start, if the set is not used for other video recorder functions (e.g. playback).

The programming information has been stored in a TIMER block.

8 To end, press the TIMER button.

9 Make sure that the cassette you have put in can be recorded on.

How to check or change a TIMER

1. Press the TIMER button on the remote control.
2. Select the line '**Timer programming**' with the buttons ▼ or ▲ and confirm with the ▶ button.
3. Select the TIMER you want to check or change with the ▼ or ▲ button and confirm with the OK button.
4. Select the entry field with the ◀ or ▶ button.
5. Change any information with the ▼ or ▲ button or with the 0-9 buttons.

   Under '**LP**', use the ▼ or ▲ button to select the recording speed 'SP' or 'LP'.
6. Confirm with the OK button.
7. To end, press the TIMER button.
8. Make sure that the cassette you have put in can be recorded on.

How to clear a TIMER

1. Press the TIMER button on the remote control.
2. Select the line '**Timer programming**' with the ▼ or ▲ button and confirm with the ▶ button.
3. Select the TIMER you want to clear with the ▼ or ▲ button.
4. Press the CLEAR button.
5. Switch off with the TIMER button.

8. ADDITIONAL FUNCTIONS

How to read TELETEXT

- ☐ Press the [TELETEXT] button to switch the TXT decoder on and off. The TV-VIDEO Combi is now receiving the TXT of the TV channel currently selected.
- ☐ To store the current page, press the [OK] button. The next time you call up TELETEXT, you will automatically turn to this page.
- ☐ If you want to select an other page, type in the number of the page with the digit buttons [0-9]. With the colour buttons on your remote control you can directly select the page numbers/chapters shown at the bottom of the TV screen.

Extra TELETEXT functions

To use the extra TELETEXT functions, press the [MENU] button, when you are in TELETEXT.

- ☐ To enlarge the print, select the symbol '⊕' and confirm with the [OK] button.
- ☐ To switch off the TELETEXT decoder temporarily, select the symbol '⊠' and confirm with the [OK] button.
- ☐ To call up a TELETEXT sub-page:
  - [1] Select the symbol 'ʘ' and confirm with the [OK] button.
  - [2] Enter the page number of the sub-page with the [0-9] -buttons (e.g.: 0123).
- ☐ To call up concealed information, select the symbol '?' and confirm with the [OK] button.
- ☐ To stop the pages from being turned over, select the symbol '⊜' and confirm with the [OK] button.
- ☐ To show TELETEXT transparently, select the symbol '◪' and confirm with the [OK] button.

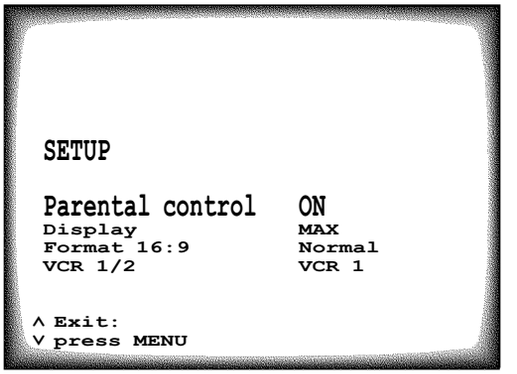
Parental control

This function will prevent unauthorised use of your TV-VIDEO Combi. All button-functions will be locked.

i You can make programmed recordings while the parental control is on.

[1] Press the [MENU] button. The main menu will appear.

[2] Select the line '**Setup**' with the [▼] or [▲] button and confirm with the [▶] button.



[3] In the line '**Parental control**' select '**ON**' with the [◀] or [▶] button.

[4] Confirm with the [OK] button.

[5] To end, press the [MENU] button.
Keep the remote control in a safe place.

[6] If you want to switch off the parental control, select '**OFF**' in line '**Parental control**'.

i If a button is pressed with activated parental control, '**Parental Control active**' will appear in the display.

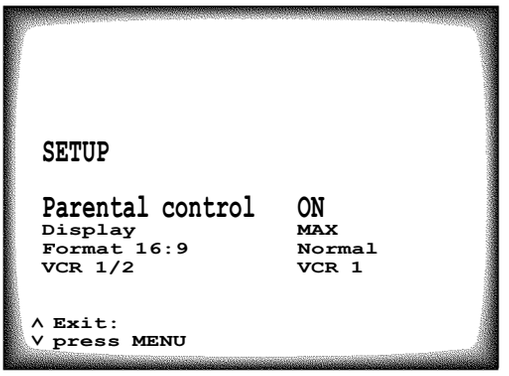
i If you want to eject a cassette with activated parental control, press the [STOP■] button several seconds.

Switching the On-screen display (OSD) on or off

You can switch the On Screen Display of the current operating information on or off.

1 Press the MENU button. The main menu will appear.

2 Select the line '**Setup**' with the buttons ▼ or ▲ and confirm with the ▶ button.



3 Select the line '**Display**' with the buttons ▼ or ▲.

4 Select one of the options indicated with the buttons ▶ or ◀.
'**MAX**': OSD appears for a few seconds each time an operating mode is selected and then disappears.
'**MIN**': OSD is minimised.
'**PROGR.**': the programme number is constantly indicated.
'**COUNTER**': the counter is constantly indicated.

5 Confirm with the OK button.

6 To end, press the MENU button.

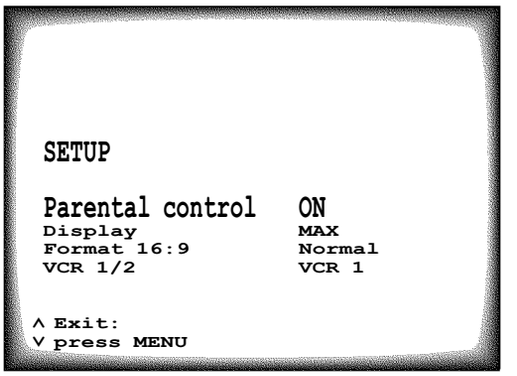
i You can use the OK button to show the current operating mode on your TV screen.

Switching to 16:9 wide screen picture

If you are using a cassette with 16:9 wide screen recordings, you can switch this function 'ON'. The TV-VIDEO Combi will now automatically switch to wide screen.

1 Press the MENU button. The main menu appears.

2 Select the line '**Setup**' with the ▼ or ▲ button and confirm with the ▶ button.



3 Select the line '**Format 16:9**' with the ▲ or ▼ button.

4 Select one of the possibilities with the ▶ or ◀ button.
'**NORMAL**' : Normal size picture.
'**EXTEND.**' : Extended size picture.
'**COMPR.**' : 16:9 format picture.

i When you watch TV you can select between '**EXTEND.**' and '**NORMAL**'.

5 Confirm with the OK button.

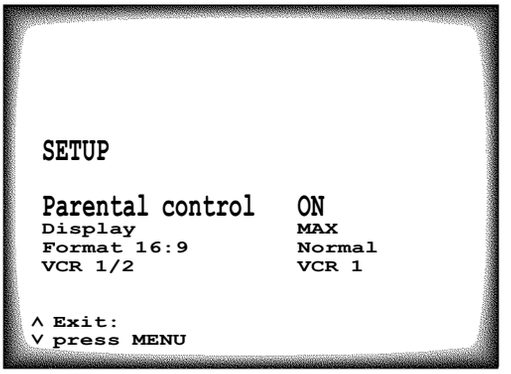
6 To end, press the MENU button.

Switching the remote control command

If you have two machines with the same remote control command, you can change the remote control command of the handset and the remote control command of your TV-VIDEO Combi.

1 Press the MENU button. The main menu appears.

2 Select the line '**Setup**' with the menu buttons ▼ or ▲ and confirm with the menu button ▶.



3 Select the line '**VCR 1/2**' with the menu buttons ▼ or ▲.

4 Select '**VCR 1**' or '**VCR 2**' with the menu buttons ◀ or ▶

5 Confirm with the OK button.

6 On the remote control, press the STOP■ button and the digit button 2 or 1 **at the same time** to switch the remote control to '**VCR 2**' or '**VCR 1**'.

7 Confirm with the STOP■ button.

8 To end, press the MENU button.

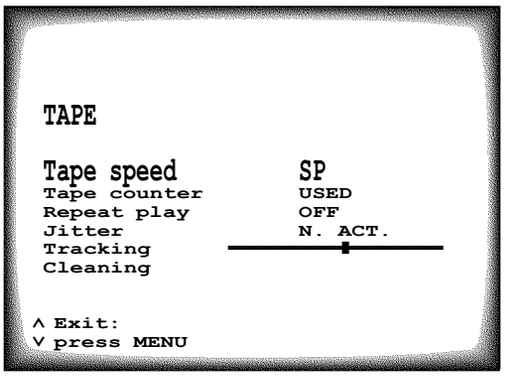
i After you changed the batteries in the remote control, it will switch back to '**VCR 1**'.

Continuous playback

You can automatically play a cassette again and again. When the end of the tape or the recording has been reached, it will rewind and start again.

1 Press the MENU button. The main menu appears.

2 Select the line '**Tape**' with the ▼ or ▲ button. Confirm with the ▶ button.



3 Select the line '**Repeat play**' with the ▼ or ▲ button.

4 Select '**ON**' with the ◀ or ▶ button. If you select '**OFF**', the function will be switched off.

5 Confirm with the OK button.

6 Press the MENU button.

Switch off function (SLEEP TIMER)

You can programme your set to switch off after a predetermined period.

1. Press the TIMER button on the remote control.
2. Select line '**Sleep timer**' with the ▼ or ▲ button and confirm with the ▶ button.
3. Determine the time left until switch off in 15 minutes intervals using the ▼ or ▲ button.

   You can switch the function off with the CLEAR button on the remote control.
4. Confirm with the OK button.
5. To end, press the TIMER button.

Switch on function (WAKE-UP TIMER)

You can programme your set to switch on at a predetermined time.

1. Press the TIMER button on the remote control.
2. Select line '**Wake-up timer**' with the ▼ or ▲ button and confirm with the ▶ button.
3. Select the entry field with the ◀ or ▶ button.
4. Enter the information with the ▼ or ▲ button or with the number buttons 0-9.
5. In the line '**ON**', switch the function on or off.
6. Press the OK button.
7. Press the TIMER button.

9. Before you call an engineer

If, contrary to expectation, you have any problems using this TV-VIDEO Combi, it may be caused by one of the reasons mentioned below. You can also call the **customer service centre**in your country.
You will find the phone number in the enclosed guarantee leaflet.

Your TV-VIDEO Combi does not respond to any button being pressed:
- There is no power supply: check the power supply
- A programmed recording is currently being made: cancel the programmed recording with the STANDBY ⏻ button.
- Parental control is on: switch the parental control off.
- Continuous playback is on: switch the continuous playback off.
- There is a technical problem: switch off with the ⏻ power switch for 30 seconds, then switch it on again.

Cassette is jammed in the TV-VIDEO Combi:
- Don't use force. Switch off with the ⏻ power switch for a moment.

Remote control does not work:
- Remote control not pointed toward the TV-VIDEO Combi: point it at the TV-VIDEO Combi.
- Batteries have run out: change the batteries.
- You have given the wrong remote control command: read 'Switching remote control command' in chapter 'Additional functions'.

No picture when you play a cassette:
- There is no recording on the cassette: change the cassette.

Poor picture quality when you play a cassette:
- The cassette badly worn or of poor quality: use new cassette.
- Tracking is not properly adjusted or the video heads are dirty: turn to chapter 'PLAYBACK' and read the section 'Picture interference'.
- You are playing a cassette with a LongPlay recording on it: Excellent picture quality is only guarateed with recordings made in StandardPlay recording speed.

The TV-VIDEO Combi will not record:
- The TV channel you want to record is not stored or you selected the wrong programme number: check TV channels stored.
- You have loaded a cassette which cannot be recorded on: undo the erase protection on the cassette.

Programmed recording does not work:
- You have not set the TIMER properly: check the TIMER blocks.
- You have programmed the wrong time or date: check time and date.
- You have put in a cassette that cannot be recorded on: undo the erase protection on the cassette.
- 'PDC' or 'VPS' switched on but 'PDC/VPS time' wrong: enter PDC or VPS time exactly to the minute. Have the aerial checked.

Recording starts as soon as the satellite receiver or second video recorder is switched on:
- Externally controlled recording switched on: Switch off the externally controlled recording.

'Smart Clock' setting does not work:
- You have stored a TV channel on programme number '**P01**' that does not transmit TELETEXT: On '**P01**' store a TV channel that transmits TELETEXT.
- Poor TELETEXT reception: On '**P01**' store a TV channel with good TELETEXT reception.
- You have not activated the Smart Clock function: Switch the function '**ON**'.

You hear a very short and soft noise coming from your TV-VIDEO Combi at 3:00 at night:
- 'Smart Clock' is checking the time: Swith off the Smart Clock function.

TELETEXT does not start at page 100:
- You have stored a different preferred page: Store page 100 as preferred page.

Technical terms used

Current tape position : The part of the tape currently being played.
External source : A device connected via a socket (for example, scart socket) which is transmitting audio/video signals to the TV-VIDEO Combi.
Index marking : A marking which is automatically made on the tape at the beginning of every recording. This marking (recording ID) can be searched for with the Index search function.
Scart cable : Also known as a Euro-AV cable. This standard cable is an easy method of connecting various TV, audio and video devices, such as a HIFI and Dolby Surround set, video recorder, DVD player, SAT receiver, decoder, computer and similar devices. Other signals in addition to audio and video signals can be transmitted on it.
TV system : There are various systems for transmitting television signals, for example, PAL, SECAM, PAL BG, SECAM DK, SECAM L/L, NTSC etc. The system used by your television depends on which country you are in.
TXT : Also known as Teletext, Fasttext, Videotext, FLOF etc.
OTR : One touch recording. This function enables you to select the switch-off time in intervals of 30 minutes.

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